

AMENDMENTS TO THE CLAIMS

Please cancel non-elected claims 15-28. A complete listing of the claims follows:

1. (Previously presented) A curable coating composition comprising
 - a. a resinous binder comprising:
 - i. a reaction product of an epoxy-containing polymer with a compound containing phosphorus acid groups, the reaction product being present in the composition in amounts of 50 to 90 percent by weight of the resinous binder and having reactive functional groups, and
 - ii. a curing agent having functional groups reactive with the functional groups of (i), the curing agent being present in the composition in amounts of 10 to 50 percent by weight of the resinous binder; and
 - b. an electroconductive pigment dispersed in (a) such that the weight ratio of b to (i) plus (ii) is within the range of 0.5 to 9.0:1,the curable coating composition being characterized such that when it is deposited and cured on a metal substrate, the cured coating is weldable.
2. (Original) The curable coating composition according to claim 1 in which the epoxy-containing polymer is a polyglycidyl ether of a polyhydric phenol.
3. (Original) The curable coating composition according to claim 2 where the polyhydric phenol is Bisphenol A.
4. (Original) The curable coating composition according to claim 1 wherein the molecular weight of the epoxy-containing polymer is 220-4500 based on epoxy equivalent multiplied by the epoxy functionality.
5. (Original) The curable coating composition according to claim 1 wherein the compound containing phosphorus acid groups is selected from the group comprising phosphoric acid, a phosphonic acid, and phosphorous acid.

6. (Original) The curable coating composition according to claim 1 wherein the equivalent ratio of the compound containing phosphorus acid groups to epoxy-containing polymer is within the range of 0.5 to 3.5:1.

7. (Original) The curable coating composition according to claim 1 wherein the functional groups of (i) are hydroxyl groups or hydroxyl and epoxy groups.

8. (Original) The curable coating composition according to claim 1 wherein the curing agent is selected from the group comprising aminoplast resins, polyisocyanates, polyacids, organometallic complexed materials, polyamines, and polyamides.

9. (Original) The curable coating composition according to claim 8 wherein the curing agent is an aminoplast.

10. (Original) The curable coating composition according to claim 1 wherein said electroconductive pigment is selected from the group comprising zinc, aluminum, iron, graphite, diiron phosphide, tungsten, stainless steel, and mixtures thereof.

11-12. (canceled)

13. (Original) The curable coating composition according to claim 1 wherein the weight percent of (a) based on the total weight of (a) plus (b) is from 10 to 55 percent.

14. (Original) The curable coating composition according to claim 1 wherein the weight percent of (b) based on the total weight of (a) plus (b) is from 45 to 90 percent.

15-28. (canceled)